

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/001513

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B01J19/00 B01L3/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B01J B01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/008032 A1 (HAYENGA JON W) 24 January 2002 (2002-01-24)  abstract paragraph '0021! - paragraph '0025!; figure 1	1-4, 8, 10-14, 16-18
X	US 2002/046948 A1 (CHOW ANDREA W ET AL) 25 April 2002 (2002-04-25) paragraph '0002! paragraph '0028! - paragraph '0031! paragraph '0086! - paragraph '0110!; figures 4-6  ----- -/--	1-23

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

27 July 2004

Date of mailing of the international search report

04/08/2004

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PCT/GB2004/001513

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 101 22 133 A (AGILENT TECHNOLOGIES INC) 10 January 2002 (2002-01-10) abstract paragraph '0001! - paragraph '0002! paragraph '0030! paragraph '0034! paragraph '0041! figure 1 -----	1-23
X	WO 01/68257 A (BIOPROCESSORS CORP) 20 September 2001 (2001-09-20) page 1, line 4 - line 7 page 6, line 5 - line 19 page 11, line 25 - line 31 page 12, line 4 - line 28; figures 1,2 -----	1-23
X	US 6 046 056 A (BOUSSE LUC J ET AL) 4 April 2000 (2000-04-04) abstract column 2, line 48 - column 3, line 62 column 8, line 10 - line 45 column 9, line 55 - line 62 column 10, line 40 - line 65 column 17, line 33 - line 50 column 20, line 1 - column 21, line 21 column 21, line 38 - column 22, line 32; figures -----	1-23
X	WO 01/89681 A (CELLULAR PROCESS CHEMISTRY INC) 29 November 2001 (2001-11-29) abstract page 4, line 25 - line 34 page 6, line 22 - line 31 page 8, line 34 - page 9, line 1 page 13, line 20 - line 35 page 15, line 27 - page 16, line 21 page 23, line 35 - page 25, line 5; figures -----	1-23
P,X	EP 1 336 430 A (SYRRIS LTD) 20 August 2003 (2003-08-20) abstract paragraph '0019! - paragraph '0050!; figures 1,4-9 -----	1,4-14, 16-18
P,X	EP 1 336 432 A (SYRRIS LTD) 20 August 2003 (2003-08-20) cited in the application abstract paragraph '0016! - paragraph '0036!; figures 1,2,8 -----	1-18,23

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/001513

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002008032 A1	24-01-2002	WO 0126813 A2 WO 0201184 A1 WO 0201081 A2 WO 0201163 A2 US 2003197139 A1 US 6743399 B1 US 2001048637 A1 US 2001054702 A1 US 2002015959 A1 US 2001055546 A1	19-04-2001 03-01-2002 03-01-2002 03-01-2002 23-10-2003 01-06-2004 06-12-2001 27-12-2001 07-02-2002 27-12-2001
US 2002046948 A1	25-04-2002	AU 6154101 A CA 2406718 A1 EP 1281002 A2 WO 0186249 A2	20-11-2001 15-11-2001 05-02-2003 15-11-2001
DE 10122133 A	10-01-2002	US 6632400 B1 DE 10122133 A1	14-10-2003 10-01-2002
WO 0168257 A	20-09-2001	AU 4355301 A CA 2400978 A1 CN 1441703 T EP 1265708 A1 JP 2003526359 T WO 0168257 A1 US 2004121454 A1	24-09-2001 20-09-2001 10-09-2003 18-12-2002 09-09-2003 20-09-2001 24-06-2004
US 6046056 A	04-04-2000	US 5942443 A AU 729537 B2 AU 3499097 A BR 9710054 A CA 2258489 A1 CN 1262629 A EP 1145760 A2 EP 1271148 A1 EP 0907412 A1 JP 2001502790 T KR 2000022329 A NZ 333346 A US 6274337 B1 US 6413782 B1 WO 9800231 A1 US 6479299 B1 US 6306659 B1 US 6429025 B1 US 2003134431 A1 US 6399389 B1 US 2004028567 A1 US 6558960 B1 US 6630353 B1 US 6267858 B1 US 2002090665 A1 US 2002102742 A1 US 2002146845 A1 US 2002168688 A1 US 2003054425 A1 US 2003077634 A1 US 6406905 B1	24-08-1999 01-02-2001 21-01-1998 11-01-2000 08-01-1998 09-08-2000 17-10-2001 02-01-2003 14-04-1999 27-02-2001 25-04-2000 27-03-2000 14-08-2001 02-07-2002 08-01-1998 12-11-2002 23-10-2001 06-08-2002 17-07-2003 04-06-2002 12-02-2004 06-05-2003 07-10-2003 31-07-2001 11-07-2002 01-08-2002 10-10-2002 14-11-2002 20-03-2003 24-04-2003 18-06-2002

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/001513

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6046056	A	US 6558944 B1 US 6150180 A US 2002039751 A1 US 2002031821 A1	06-05-2003 21-11-2000 04-04-2002 14-03-2002
WO 0189681	A	29-11-2001 EP 1286761 A2 JP 2004508919 T WO 0189681 A2	05-03-2003 25-03-2004 29-11-2001
EP 1336430	A	20-08-2003 EP 1336430 A2 US 2003156995 A1	20-08-2003 21-08-2003
EP 1336432	A	20-08-2003 EP 1336432 A2 US 2003175168 A1	20-08-2003 18-09-2003